

Appl. No. : 10/063,538  
Filed : May 2, 2002

### AMENDMENTS TO THE CLAIMS

1-3. (Canceled).

4. (Currently Amended) ~~The~~An isolated polypeptide of ~~Claim 1~~ having at least 95% amino acid sequence identity to:

- (a) the amino acid sequence of the polypeptide of SEQ ID NO: 34;
- (b) the amino acid sequence of the polypeptide of SEQ ID NO: 34, lacking its associated signal peptide;
- (c) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO: 34;
- (d) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO: 34, including its associated signal peptide; or
- (e) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 203161;
  - wherein said extracellular domain is amino acids 201-678 of SEQ ID NO: 34; and
  - wherein said isolated polypeptide is more highly expressed in normal esophageal tissue or normal skin compared to esophageal tumor or melanoma tumor respectively, or wherein said isolated polypeptide is encoded by a polynucleotide that is more highly expressed in normal esophageal tissue or normal skin compared to esophageal tumor or melanoma tumor respectively.

5. (Currently Amended) The isolated polypeptide of ~~Claim 1~~Claim 4 having at least 99% amino acid sequence identity to:

- (a) the amino acid sequence of the polypeptide of SEQ ID NO: 34;
- (b) the amino acid sequence of the polypeptide of SEQ ID NO: 34, lacking its associated signal peptide;
- (c) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO: 34;
- (d) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO: 34, including its associated signal peptide; or
- (e) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 203161;

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wherein said extracellular domain is amino acids 201-678 of SEQ ID NO: 34; and wherein said isolated polypeptide is more highly expressed in normal esophageal tissue or normal skin compared to esophageal tumor or melanoma tumor respectively, or wherein said isolated polypeptide is encoded by a polynucleotide that is more highly expressed in normal esophageal tissue or normal skin compared to esophageal tumor or melanoma tumor respectively.

6. (Previously Presented) An isolated polypeptide comprising:
  - (a) the amino acid sequence of the polypeptide of SEQ ID NO: 34;
  - (b) the amino acid sequence of the polypeptide of SEQ ID NO: 34, lacking its associated signal peptide;
  - (c) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO: 34;
  - (d) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO: 34, including its associated signal peptide; or
  - (e) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 203161;  
wherein said extracellular domain is amino acids 201-678 of SEQ ID NO: 34.
7. (Previously Presented) The isolated polypeptide of Claim 6 comprising the amino acid sequence of the polypeptide of SEQ ID NO:34.
8. (Previously Presented) The isolated polypeptide of Claim 6 comprising the amino acid sequence of the polypeptide of SEQ ID NO:34, lacking its associated signal peptide.
9. (Previously Presented) The isolated polypeptide of Claim 6 comprising the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO: 34;  
wherein said extracellular domain is amino acids 201-678 of SEQ ID NO: 34.
10. (Previously Presented) The isolated polypeptide of Claim 6 comprising the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO: 34, including its associated signal peptide;  
wherein said extracellular domain is amino acids 201-678 of SEQ ID NO: 34.

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11. (Original) The isolated polypeptide of Claim 6 comprising the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 203161.

12. (Currently Amended) A chimeric polypeptide comprising a polypeptide according to Claim 1-Claim 4 fused to a heterologous polypeptide.

13. (Currently Amended) The chimeric polypeptide of Claim 12, wherein said heterologous polypeptide is an epitope-a tag polypeptide or an Fc region of an immunoglobulin.

14. (New) An isolated polypeptide having at least 95% amino acid sequence identity to:

- (a) the amino acid sequence of the polypeptide of SEQ ID NO: 34;
- (b) the amino acid sequence of the polypeptide of SEQ ID NO: 34, lacking its associated signal peptide;
- (c) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO: 34;
- (d) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO: 34, including its associated signal peptide; or
- (e) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 203161;  
wherein said extracellular domain is amino acids 201-678 of SEQ ID NO: 34; and  
wherein said isolated polypeptide or a fragment thereof can be used to generate an antibody which can be used to specifically detect the polypeptide of SEQ ID NO:34 in esophageal or skin tissue samples.

15. (New) The isolated polypeptide of Claim 14 having at least 99% amino acid sequence identity to:

- (a) the amino acid sequence of the polypeptide of SEQ ID NO: 34;
- (b) the amino acid sequence of the polypeptide of SEQ ID NO: 34, lacking its associated signal peptide;
- (c) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO: 34;

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(d) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO: 34, including its associated signal peptide; or

(e) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 203161;

wherein said extracellular domain is amino acids 201-678 of SEQ ID NO: 34; and

wherein said isolated polypeptide or a fragment thereof can be used to generate an antibody which can be used to specifically detect the polypeptide of SEQ ID NO:34 in esophageal or skin tissue samples.

16. (New) A chimeric polypeptide comprising a polypeptide according to Claim 14 fused to a heterologous polypeptide.

17. (New) The chimeric polypeptide of Claim 16, wherein said heterologous polypeptide is a tag polypeptide or an Fc region of an immunoglobulin.